

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 50.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001543**Date Inspected:** 15-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Jiangyin**Location:** Shanghai, China**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Blasting inspection**Bridge No:** 34-0006**Component:** OBG**Bid Item:****Lot No:** B 204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:OBG 6AE

1. An inspection was requested on the interior of OBG segment 6AE, internal floor beam from PP37 to PP38 and pre weld seam of the abrasive blasted surfaces. Concurrent with the abrasive blast inspection a final VT inspection was observed by Caltrans inspector, which was performed by ABF inspectors Mr. Sun, Mr. Wei. Typical areas required grinding of burrs, weld slag, gouges and fins which was in process and being performed by ZPMC personnel. Abrasive blasting operations were incomplete at this time and SSPC SP-10 not achieved.

Visual inspection (VT) was completed after grinding operations and ZPMC personnel resumed abrasive blasting operations. Ambient conditions were monitored and within the parameters of contract documents. International Protective Coatings Technical service representative Peng ZiLi was in attendance during the inspection process.

2. An inspection was requested on 5 sets of suspender brackets for adhesion test, Residual chlorides test and MEK, pencil hardness test. International Protective Coatings Technical service representative Peng ZiLi was in attendance during the inspection process. This Caltrans QA inspector, observed ABF were performing the required tests.

3. An inspection was requested on 2 sets of bike path- BK 002-001, BK 003-001 for adhesion test, Residual

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chlorides test and MEK, pencil hardness test. adhesion result was observed to be 3.8 MPA for bike path no. BK 003-001 which is below the minimum requirement of 4 MPA. International Protective Coatings Technical service representative Peng ZiLi was in attendance during the inspection process

Summary of Conversations:

Caltrans QA Baskar inquired with Caltrans QA Mr. Mark miller for minimum requirement of adhesion test results and incorporated the same in report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mr. Mazen Wahbeh, (818) 292-0659,, who represents the Office of Structural Materials for your project.

Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer
